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NOTICE OF ALLOWANCE AND FEE(S) DUE

22852

7590

09/08/2009

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW WASHINGTON, DC 20001-4413 EXAMINER

NUTTER, NATHAN M

ART UNIT PAPER NUMBER

1796

DATE MAILED: 09/08/2009

| APPLICAT | ION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|----------|---------|-------------|----------------------|---------------------|------------------|
| 10/55 | ,186 | 07/07/2006 | Diego Tirelli | 05999.0377 | 1865 |

TITLE OF INVENTION: THERMOPLASTIC MATERIAL COMPRISING A VULCANIZED RUBBER IN A SUBDIVIDED FORM

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1510 | \$300 | \$0 | \$1810 | 12/08/2009 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

| indicated unless correct maintenance fee notifica | ted below or directed ot | herwise in Block 1, by (| a) specifying a new cor | respondence address; | and/or (b) indicating a sep | parate "FEE ADDRESS" for | |
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| CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) | | | F | ee(s) Transmittal. This apers. Each additional | certificate cannot be used | or domestic mailings of the for any other accompanying ent or formal drawing, must | |
| 22852 | | 8/2009 A.D. A.D.O.W. G.A.D.D. | ETT 0 NIMMET | Certi | ficate of Mailing or Tran | smission | |
| LLP 901 NEW YOR | HENDERSON, FA K AVENUE, NW | ARABOW, GARR | ETT & DUNNER S ac tr | hereby certify that this tates Postal Service wi Idressed to the Mail ansmitted to the USPT | Fee(s) Transmittal is bein th sufficient postage for fit Stop ISSUE FEE address O (571) 273-2885, on the | smission ag deposited with the United rst class mail in an envelope above, or being facsimile date indicated below. | |
| WASHINGTON | N, DC 20001-4413 | | Γ | | | (Depositor's name) | |
| | | | | | | (Signature) | |
| | | | | | | (Date) | |
| APPLICATION NO. | FILING DATE | 1 | FIRST NAMED INVENTO | OR . | ATTORNEY DOCKET NO. | CONFIRMATION NO. | |
| 10/551,186 | 07/07/2006 | | Diego Tirelli | _ | 05999.0377 | 1865 | |
| | | MATERIAL COMPRISIN | | _ | | | |
| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DU | | | | |
| nonprovisional | NO | \$1510 | \$300 | \$0 — | \$1810 | 12/08/2009 | |
| | MINER | ART UNIT | CLASS-SUBCLASS | | | | |
| | NATHAN M | 1796 | 525-192000 | | | | |
| CFR 1.363). Change of corresp Address form PTO/S "Fee Address" inc | lence address or indication on dence address (or Chab/122) attached. lication (or "Fee Address of the chabres | ange of Correspondence | 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is | | | | |
| Number is required | 02 or more recent) attack • | ned. Use of a Customer | listed, no name will | | o name is 3 | | |
| PLEASE NOTE: Un | lless an assignee is iden th in 37 CFR 3.11. Com | A TO BE PRINTED ON tified below, no assignee pletion of this form is NO | data will appear on the | patent. If an assigned an assignment. | | document has been filed for | |
| Please check the appropr | riate assignee category o | r categories (will not be p | rinted on the patent): | Individual Cor | poration or other private gr | coup entity 🚨 Government | |
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| | ns SMALL ENTITY stat | us. See 37 CFR 1.27. | | | ENTITY status. See 37 C | | |
| NOTE: The Issue Fee ar interest as shown by the | nd Publication Fee (if rec records of the United St | uired) will not be accepte ates Patent and Trademark | d from anyone other that Office. | n the applicant; a regist | ered attorney or agent; or t | the assignee or other party in | |
| Authorized Signature | | | Date | | | | |
| Typed or printed name | | | | Registration No | | | |
| an application. Confider submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 22. | ntiality is governed by 35 application form to the ions for reducing this but irginia 22313-1450. Do 313-1450. | 5 U.S.C. 122 and 37 CFR e USPTO. Time will vary urden, should be sent to th O NOT SEND FEES OR | 1.14. This collection is a depending upon the include Chief Information Off COMPLETED FORMS | estimated to take 12 m dividual case. Any con icer, U.S. Patent and T TO THIS ADDRESS. | inutes to complete, including the amount of the amount of the rademark Office, U.S. Dep SEND TO: Commissioner | nd by the USPTO to process) ng gathering, preparing, and ime you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450, | |
| Under the Paperwork Re | eduction Act of 1995, no | persons are required to re | spond to a collection of | information unless it di | splays a valid OMB contro | l number. | |

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

OMB 0651-0033

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE



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| 10/551,186 | 07/07/2006 | Diego Tirelli | 05999.0377 | 1865 |
| 22852 75 | 90 09/08/2009 | EXAMINER | | |
| FINNEGAN, HE | NDERSON, FARAI | NUTTER, NATHAN M | | |
| LLP | | | ART UNIT | PAPER NUMBER |
| 901 NEW YORK A WASHINGTON, I | | 1796 | | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 423 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 423 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) | | | |
|--|---|--|------------------|--|--|
| | 10/551,186 | TIRELLI ET AL. | | | |
| Notice of Allowability | Examiner | Art Unit | | | |
| | Nathan M. Nutter | 1796 | | | |
| The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to 21 August 2009. | (OR REMAINS) CLOSED i or other appropriate comm GHTS . This application is | n this application. If not included unication will be mailed in due coul | rse. THIS | | |
| 2. The allowed claim(s) is/are <u>45-88</u> . | | | | | |
| 3. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers | been received. been received in Application to file this communication to file the tenth of this application. betted. Note the attached EX as reason(s) why the oath out the submitted. | on No In this national stage application In a reply complying with the require AMINER'S AMENDMENT or NOTING In declaration is deficient. | ements | | |
| | • | w (1 10 540) attached | | | |
| (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. | | | | | |
| Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material | 6. | nformal Patent Application Summary (PTO-413), /Mail Date s Amendment/Comment s Statement of Reasons for Allowan | ice | | |

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: No prior art has been found or presented that either teaches or fairly suggests the production of "a thermoplastic material comprising

- (a) 5% by weight to 95% by weight of a vulcanized rubber in a subdivided form;
- (b) 5% by weight to 95% by weight of at least one heterophase copolymer comprising a thermoplastic phase made from a propylene homopolymer or copolymer and an elastomeric phase made from a copolymer of ethylene with an α -olefin; and
- (c) 0% by weight to 90% by weight of at least one α -olefin homopolymer or copolymer different from (b);

the amounts of (a), (b) and (c) being expressed with respect to the total weight of (a) + (b) + (c)," as herein recited and claimed.

The rejection of claim 88 under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention, is hereby expressly withdrawn in view of the amendment to the claim filed 21 August 2009.

The rejection of claims 45-48, 58-60, 64-66, 70-78, 87 and 88 under 35 USC 102(e) as being anticipated by Wang et al (US 6,476,117) is hereby expressly withdrawn since the reference fails to show a heterophase polymer in the context as disclosed and herein claimed. The polymers of Wang et al cannot be a diblock polymer

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or a sequential polymer. In the specification, Wang discloses a "multiblock" polymer but also discloses that the its invention requires "at least one soft...polymeric segment and at least two hard...polyalkylene segments." The reference at column 2 (lines 24-30) and column 3 (lines 1-6). This passage illustrates that Wang et al can not encompass a "diblock" copolymer but at a minimum encompasses a "triblock" copolymer.

As such, the rejection of claims 45-53, 58-60, 64-78, 87 and 88 under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Wang et al (US 6,476,117) and the rejection of claims 45-88 under 35 U.S.C. 103(a) as being unpatentable over Wang et al (US 6,476,117) in combination with Otawa et al (US 4,818,785), are deemed to be untenable, as well, and are hereby expressly withdrawn.

Since there are no other outstanding issues with regard to the clarity or enablement of the claims, these claims are deemed to contain allowable subject matter.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan M. Nutter whose telephone number is 571-272-1076. The examiner can normally be reached on 9:30 a.m.-6:00 p.m..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James J. Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nathan M. Nutter/ Primary Examiner, Art Unit 1796

nmn

2 September 2009